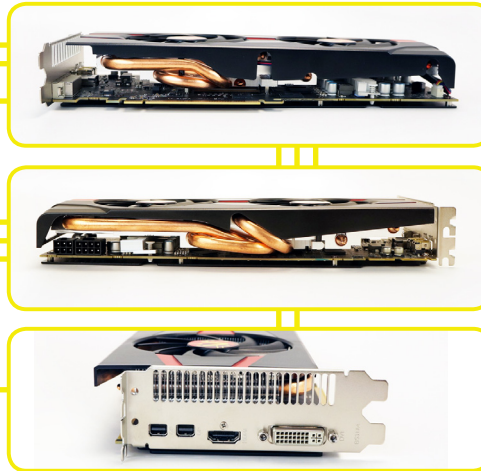# VisionTek®

AMD RADEON™ R9 280
VisionTek Part# 900689

LIKE A SUPERCHARGER FOR YOUR GAMING RIG

With 6Gb/s throughput and over four Teraflops of compute performance, you may just want to use seat belts when you fire up the VisionTek Radeon R9 280. It enables you to take advantage of 1440p and up to 4K Ultra HD high resolution displays and run the latest games without any lag. With support for the DIRECTX® 11.2 graphics standard, you'll elevate your gaming experience with stunning 3D visual effects, realistic lighting, and lifelike imagery. Additionally, the VisionTek Radeon R9 280 offers the following advanced AMD technologies:

- AMD PowerTune technology for higher frame rates and automatic overclocking
- AMD ZeroCore Power technology for automatic power-saving efficiency
- AMD App Acceleration "co-processing" to improve performance of common computing tasks

With 3GB of 384bit DDR5 memory, award-winning Graphics Core Next (GCN) architecture, and DVI-I/HDMI/2x mini DisplayPort outputs, the VisionTek Radeon R9 280 can run today's most popular games at 1440p resolution faster than other brand GPU powered graphics cards. For peace of mind ownership, it comes backed by an industry leading lifetime warranty and free lifetime US-based technical support.

RADEON R9 280 SPECS
- **Graphics Engine:** RADEON R9 280
- **Video Memory:** 3GB GDDR5
- **Memory Interface:** 384bit
- **DirectX® Support:** 11.2
- **Bus Standard:** PCI Express 3.0
- **Core Speed:** 855MHz (960MHz Boost)
- **Memory Speed:** 1250MHz x4 (or faster)
- **DVI Output:** DL DVI-I
- **VGA Output:** Using DVI to VGA Adapter
- **HDMI Output:** HDMI (Video/Audio)
- **DisplayPort Output:** 2x mini DP
- **UEFI Ready:** Support

SYSTEM REQUIREMENTS
- PCI Express® based PC is required with one X16 lane graphics slot available on the motherboard.
- 750W (or greater) power supply with one 150W 8-pin PCI Express power connector and one 75W 6-pin PCI express power connector recommended. 800W power supply (or greater) with two 150W 8-pin PCI Express power connectors and two 75W 6-pin PCI express power connectors recommended.*
- Minimum 4GB of system memory.
- Installation software requires CD-ROM drive.
- DVD playback requires DVD drive.
- Blu-ray™ playback requires Blu-ray drive.
- Windows Vista®, Windows® 7, Windows 8 or Windows 8.1 operating system.

GCN Architecture: A new design for AMD's unified graphics processing and compute cores that allows them to achieve higher utilization for improved performance and efficiency.

4K Ultra HD Support: Experience what you've been missing even at 1080P! With support for 3840 x 2160 output via the HDMI port, textures and other detail normally compressed for lower resolutions can now be shown in full pixels per inch of screen definition.

AMD Eyefinty Technology: Run multiple displays from a single graphics board and expand your gaming field of view across all displays.

AMD App Acceleration: AMD App Accelerator creates a "co-processing" environment in which the compute processing potential in your AMD Radeon™ Graphics processor works together with the system central processor, to accelerate enabled applications.

AMD HD3D Technology: Supports the latest stereoscopic 3D content and display technologies. Play 3D games, watch Blu-ray 3D videos, and edit 3D photos on your 3D Monitors, TV, or projector.

AMD CrossFire™ Technology: Multi-GPU support offers superior scalability. Increase your gaming performance up to 2x with AMD CrossFire™ technology, 2.75x for TriFire configurations, or 3.75x with QuadFire configs.

AMD HD Media Accelerator: Assumes rendering responsibility for HD encode (VCE)/decode (MPEG-4 ASP, H.264. MVC, MPEG2, etc.) and conclusively enable superior video playback quality with advanced hardware post-processing algorithms.

AMD PowerPlay™ Technology: AMD PowerPlay™ Technology dynamically adjusts clockspeeds in response to GPU load, saving power for just when you need it.

AMD PowerTune Technology: Maximizes performance under load conditions by dynamically increasing the GPU engine clock to take advantage of unused TDP headroom. Also allows users to configure their own TDP limit, within a provided range, for even higher performance or more power efficiency.

Advanced GDDR5 Memory Technology: GDDR5 memory provides the highest available memory bandwidth of any memory technology today, enabling higher GPU performance.

Boost State Smart Over-Clocking Control: AMD latest Boost State technology automatically allows Radeon Graphic to run higher than the base core speed if it's operating below power, current, and temperature specification limits.

Dolby® TrueHD and DTS-HD Master Audio™: Support of content protected, high bandwidth, 7.1 channels of surround sound over HDMI and DisplayPort.

VisionTek's stinger symbolizes the aggression of a high performance upgrade from a monstrous leader. Our lethal fast technology allows your machine to rise above its prey and give you a vicious advantage.

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LIMITED LIFETIME MANUFACTURER'S WARRANTY

*Certified power supplies are recommended. Refer to http://ati.amd.com/certifiedPSU for a list of certified products.